

SD Form - 1585LD V5

FORM 2: Application for uses other than irrigation
(type or print)

FILE COPY

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8756-3</u> (office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>Middle James</u>
	Newspaper <u>Redfield Press</u> <u>472-0822 (Wed)</u> <u>Aberdeen American News</u>

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APR 28 2023

OFFICE OF
SOUTH DAKOTA

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

- | | | | |
|---|--|--|--|
| <input type="checkbox"/> Municipal | <input type="checkbox"/> Water Distribution System | <input type="checkbox"/> Recreational | <input type="checkbox"/> Institutional |
| <input type="checkbox"/> Rural Water System | <input type="checkbox"/> Commercial | <input type="checkbox"/> Fish & Wildlife | <input type="checkbox"/> Geothermal |
| <input type="checkbox"/> Domestic (over 18 gpm) | <input checked="" type="checkbox"/> Industrial | <input type="checkbox"/> Other _____ | |

Type of Application:
(check one)

- ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name to Appear on Water Permit Redfield SCS Capture LLC Brad Mader James Powell
Mailing Address 2321 North Loop Drive Suite #221 AMES IA 50010
515-531-2603 (Address) jpowell (City) (State) (Zip Code)
Phone (515) 344-0456 Mobile _____ Email bmader@summitcarbon.com
21 M GPM
- Amount of water claimed 0.100 *CFS or 45 **GPM and 64.5 ***AF or _____ Gallons
Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use)
- Source of water supply Ground Water Well
- Location of point of diversion 117N R64W S26 (SE 1/4 NW 1/4) County Spink
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☐ No
If "Yes," where will water be used? within sec 26-117N-64W
(example - NW1/4 section 12-T104N-R53W)
- County or counties where water will be used Spink
- Annual period during which water is to be used Jan 1 - Dec 30
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Well for CO₂ capture facility at Ethanol Plant.

DocuSigned by: James Powell COO, the applicant, certify under
I, James Powell Title (if applicable)
FBDF5E4B03C74A2 Name of Person

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2015-10

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled ☐ Yes ☒ No Drilled by Stretts's Well Service
(if yes, please provide copies of logs)
- b) If existing wells, how many Provide copy of log(s), if available. Drilled by

For either Existing or Proposed Wells:

- c) Well Depth (required) 1100 Depth to Top of Water Bearing Material 900 Depth to Water from Surface 0
- d) Distance to nearest domestic well on applicant's property NONE Property owned by others 1-Mile

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field)
- b) System Capacity (gallons) Year Constructed
- c) Connected to the City of Sanitary System

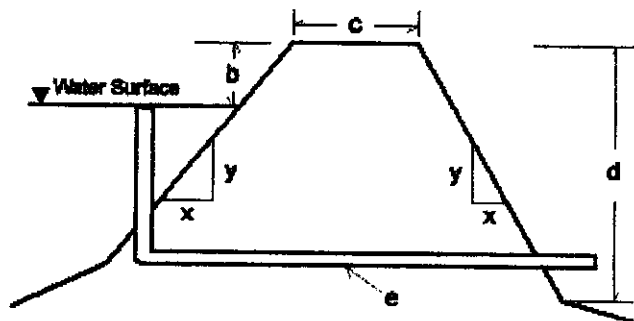
3. Dugout Information

- a) Surface Dimensions Depth
- b) Depth to water (ground surface to water level)

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard
- c) Crest Width
Crest Length
- d) Height
- e) Primary Outlet Capacity
If pipe, diameter
- f) Secondary Spillway Capacity
Spillway Width
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream
Downstream
- h) Surface Area of Impoundment
- i) Storage Acre Feet
- j) Drainage Area Above Dam Acres

